

Exhibit Name: Indemnity Calculations  
Exhibit Number: P21-2, Plan 02 & 03  
Record Name: Acreage Claim  
Record Code: P21

Reinsurance Year: 2012  
Version: DRAFT  
Release Date: 8/25/2011

<u>Insurance Plan Code</u>	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion				
<u>Commodity Code</u>	0011 Wheat	0021 Cotton			0078 Sunflower	
	0015 Canola	0041 Corn			0081 Soybeans	
	0018 Rice	0051 Grain Sorghum			0091 Barley	
<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
Section 1: Stage Guarantee Calculation						
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number.  When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.  Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Cottonseed Endorsement Option "SE":  Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	46	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number.  When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.  Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	41	0.999	None	

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Calculations			Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules					
Revenue Protection, "02", Price Election Amount Calculation:  Price Election Amount = (greater of Projected Price or Harvest Price) * Price Election Percent			Price Election Amount	Internal		9999.999	When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99].						
							When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078"; round to nearest one-tenth cent [\$9.999].						
							Projected Price		ADM		99999.9999	None	Edit with ADM Price, "A00810".
							Harvest Price		ADM		99999.9999	None	Edit with ADM Price, "00810".
			Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code "02".					
Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation:  Price Election Amount = Projected Price * Price Election Percent			Price Election Amount	Internal		9999.999	When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99].						
							When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078"; round to nearest one-tenth cent [\$9.999].						
							Projected Price		ADM		99999.9999	None	Edit with ADM Price, "A00810".
							Price Election Percent		ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code equals "03".

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<u>Commodity Code</u>	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0051 Grain Sorghum 0078 Sunflower 0081 Soybeans 0091 Barley

<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	Internal	36	99999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.

#### Section 2: Loss Guarantee Calculation

Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	38	9.999999	None	
Revenue Conversion Production to Count = Production to Count Quantity * Harvest Price	Revenue Conversion Production to Count	P21	46	99999999.99	Round to nearest dollar and cents.	
	Production to Count Quantity	P21	34	99999999.99	Round to nearest whole pounds, nearest hundredth for tonnage commodities, or nearest tenths for other units of measure. None	
	Harvest Price	ADM		99999.9999	None	Edit with ADM Price, "00810". If Harvest Price has not been released for revenue Protection, "02", the Projected Price can be used for validation of Revenue to Count.

#### Section 3: Indemnity Calculation

Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	45	\$99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	49	\$9999999999	Round to whole number.	
	Insured Share Percent	P11	46	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	50	\$9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity = ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		\$9999999999	Round to whole number.	

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	0015 Canola	0041 Corn	0081 Soybeans			
	0018 Rice	0051 Grain Sorghum	0091 Barley			
<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>

#### Section 4: Stage Guarantee Calculation

##### Replant Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03"

<p>When Stage Code equals Replanted, "R",</p> <p>Guarantee Per Acre<sup>1</sup> = Approved Yield * Coverage Level Percent</p>	Guarantee Per Acre <sup>1</sup>	Internal		99999999.99	<p>When Unit of Measure equals Pounds, "LBS", then Round to whole Number.</p> <p>When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.</p> <p>Otherwise, Round to 1 decimal.</p>	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	33	9.9999	None	
<p>Guarantee Per Acre<sup>2</sup> = Guarantee per Acre<sup>1</sup> * Guarantee Adjustment Factor</p>	Guarantee Per Acre <sup>2</sup>	Internal		99999999.99	<p>When Unit of Measure equals Pounds, "LBS", then Round to whole Number.</p> <p>When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.</p> <p>Otherwise, Round to 1 decimal.</p>	
	Guarantee Adjustment Factor	P11	75	0.999	None	
<p>Acre Stage Guarantee Amount = Lesser of:  (20% of Guarantee Per Acre<sup>2</sup>  OR  Maximum Replant Guarantee Per Acre) * Price Election Amount</p>	Acre Stage Guarantee Amount	Internal		99999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee.
	Price Election Amount	P11	49	99999.999	None	Based on Projected Price.
	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI "D00201129".

#### Section 5: Replant Payment Loss Guarantee Calculation

<p>Loss Guarantee Amount = Lesser of (20% of Guarantee Per Acre<sup>2</sup>) or Maximum Replant Guarantee Per Acre * Price Election Amount * Determined Acreage * Liability Adjustment Factor</p>	Loss Guarantee Amount	P21	48	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	38	9.999999	None	

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	0015 Canola	0041 Corn	0081 Soybeans
	0018 Rice	0051 Grain Sorghum	0091 Barley

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
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#### Section 6: Replant Payment Indemnity Calculation

Indemnity Amount = Loss Guarantee Amount * Insured Share Percent	Indemnity Amount	P21	51	S999999999	Round to whole number.	
	Insured Share Percent	P11	48	9.999	None	
Total Indemnity $\sum$ Indemnity Amount for the Unit	Total Indemnity	Internal		S999999999	Round to whole number.	

#### Section 7: Stage Guarantee Calculation

##### Prevented Planting Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03".

When Stage Code equals: Prevented Planting Option 1, "P1", Prevented Planting Option 2, "P2", Prevented Planting Uninsured Loss, "PU", Prevented Planting Add 10 Percent, "PT", Prevented Planting Add 5 Percent, "PF"	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number.  When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.  Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'.
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	33	9.9999	None	
Cottonseed Endorsement Option "SE":  Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	46	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	

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<u>Calculations</u>		<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor		Guarantee Per Acre2	Internal	101	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number.  When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.  Otherwise, Round to 1 decimal.	
		Guarantee Adjustment Factor	P11	75	0.999	None	
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount		Acre Stage Guarantee Amount	Internal		99999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.
		Price Election Amount	P11	49	99999.9999	None	Based on Projected Price.
Section 8: Prevented Planting Payment Loss Guarantee Calculation							
Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor		Loss Guarantee Amount	P21	46	99999999.99	Round to nearest dollar and cents.	
		Determined Acreage	P21	17	99999999.99	None	
		Liability Adjustment Factor	P21	38	9.999999	None	
Section 9: Prevented Planting Payment Indemnity Calculation							
Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent		Preliminary Indemnity Amount	P21	49	S9999999999	Round to whole number.	
		Insured Share Percent	P11	47	9.999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor		Indemnity Amount	P21	50	S9999999999	Round to whole number.	
		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	Σ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	

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<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
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Section 10: Stage Guarantee Calculation  
 Malting Barley Price and Quality Endorsement

Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.9	Round to nearest whole pounds, nearest hundredth for tonage commodities, or nearest tenths for other units of measure.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	33	9.9999	None	
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal	101	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number.  When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.  Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	Internal		99999999.99	Round to nearest dollar and Cents	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.
	Price Election Amount	P11	49	99999.9999	None	

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	0018 Rice	0051 Grain Sorghum			0091 Barley		
<u>Calculations</u>		<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
Section 11: Malting Barley Loss Guarantee Calculation							
Loss Guarantee Amount =	Guarantee Per Acre <sup>2</sup> * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	46	99999999.99	Round to nearest dollar and cents.	
		Determined Acreage	P21	17	99999999.99	None	
		Liability Adjustment Factor	P21	38	9.999999	None	
Revenue Conversion Production To Count =	Production to Count Quantity * Price Election Amount	Revenue Conversion Production To Count	P21	46	99999999.99	Round to nearest dollar and cents.	
		Production to Count Quantity	P21	34	99999999.99	None	
		Price Election Amount	P11	49	99999.9999	None	
Section 12: Malting Barley Indemnity Calculation							
Unit Deficiency Quantity =	Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	47	\$99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount =	Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	49	\$9999999999	Round to whole number.	
		Insured Share Percent	P11	48	9.999	None	
Indemnity Amount =	Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	50	\$9999999999	Round to whole number	
		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		\$9999999999	Round to whole number.	